



**PATH6100 Laboratory Methods and Instrumentation (Semester 1)**

<b>Course Coordinator(s):</b>	Dr JWP Yam, Department of Pathology (Tel no.: 2255 2681; Email: <a href="mailto:judyam@pathology.hku.hk">judyam@pathology.hku.hk</a> )
<b>Delivery Mode of Lectures:</b>	Face-to-face
<b>Lecture Venue:</b>	Lecture Theatre, 2/F, Block T, Queen Mary Hospital *T1, Underground Lecture Theatre, Queen Mary Hospital
<b>Final Examination:</b>	<b>Tuesday, December 14, 2021 (9:30 am – 11:30 am)</b> <b>Room 7 Library Extension, Main Campus</b>

	Date	Time	Lecture Topic	Lecturer
1	04.09.2021 (Sat)	14:00-16:00	Tissue processing and immunohistochemistry	Prof Annie NY Cheung/ Prof JM Nicholls
2	11.09.2021 (Sat)	14:00-16:00	Principle and applications of flow cytometry	Dr RWK Ip
3	18.09.2021 (Sat)	14:00-16:00	Protein analysis methods  Assignment of essay topics	Dr JWP Yam/ Dr XW Mao  Dr JWP Yam
4	25.09.2021 (Sat)	14:00-16:00	Mass spectrometry and its applications in biological studies	Dr CYS Chung
5	02.10.2021 (Sat)	14:00-16:00	Basic concepts in conventional and molecular cytogenetics	Prof TSK Wan
6	16.10.2021 (Sat)	14:00-16:00	Mutation detection technologies	Prof SP Yip
7	23.10.2021 (Sat)	14:00-16:00	Epigenetics and methylation analysis	Dr JCM Wong
8	30.10.2021 (Sat)	14:00-16:00	Animal models for research	Dr CCL Wong
9	06.11.2021 (Sat)	14:00-16:00	Basic concepts in automated DNA sequencing and genotyping	Dr CTL Chan
10	13.11.2021 (Sat)*	14:00-16:00	Cancer stem cells: Methods and protocols	Dr TKW Lee

Additional 4 hours for MPhil/PhD/MRes[Med] candidates:

MMPH6001 : Laboratory Methods and Instrumentation  
Lecture Venue : Room 02-019/02-025, 2/F, Block T, Queen Mary Hospital

	Date	Time	Lecture Topic	Lecturer
11	29.10.2021 (Fri)	14:00-18:00	Student/Essay presentation	Dr JWP Yam/ Dr JCM Wong